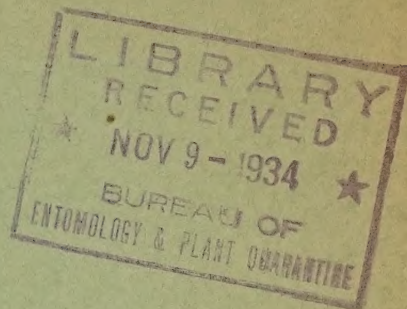


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UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF CHEMISTRY AND SOILS
INSECTICIDE DIVISION

Patent List No. 26



A LIST OF
UNITED STATES PATENTS
Issued from 1917 to 1933 inclusive
relating to
SPRING OPERATED INSECT KILLERS
Compiled by
R. C. Roark

Washington, D. C.
September, 1934

A LIST OF UNITED STATES PATENTS ISSUED FROM 1917 TO 1933, INCLUSIVE,
RELATING TO SPRING OPERATED INSECT KILLERS.

Compiled by

R. C. Roark

Insecticide Division, Bureau of Chemistry and Soils.

These 22 patents describe apparatus for killing flies by means of toy pistols, tongs, fly swatters and similar devices which are actuated by a spring.

Every effort has been made by the compiler to make this list of patents complete and no discrimination is intended against any patent mention of which is inadvertently omitted.

The Department of Agriculture assumes no responsibility for the merits or workableness of any of the patents, nor does it recommend any of the inventions listed.

1,237,346 (Aug. 21, 1917; appl. Apr. 21, 1917). FLY-GUN. Alfred Limoges, North Bay, Ontario, Canada. - This swatter in the form of a toy gun is actuated by a leaf spring.

1,289,175 (Dec. 31, 1918; appl. May 13, 1918). FLY-CATCHER. Nathan B. Holdsworth, Fort Wayne, Ind. - This device consists of spring operated tongs mounted on a plate. When released the tongs spring forward and crush a fly between the blades.

1,304,074 (May 20, 1919; appl. Dec. 2, 1918). FLY-GUN. Alfred Limoges, North Bay, Ontario, Canada. - This toy gun fly swatter is operated by a spring which is released by pulling a trigger. This device is an improvement over the one described in U. S. Patent, 1,237,346 issued Aug. 21, 1917 to A. Limoges.

1,308,952 (July 8, 1919; appl. Sept. 3, 1913). INSECT CATCHING AND KILLING DEVICE. John C. Jewett and Willard A. Jewett, San Francisco Calif. - One-half to Augustus J. Bowie, Jr., and one-half to John F. Barnett. - A wire screen casing attached to a handle is placed over a fly or mosquito and the insect killed by suddenly collapsing the device.

1,310,124 (July 15, 1919; appl. May 5, 1917; renewed Dec. 23, 1918). FLY-SWATTER. Raymond O. W. Ludke, Coplay, Pa. - This air-gun shoots a cork stopper at a fly.

1,319,693 (Oct. 28, 1919; appl. Jan. 20, 1919). TOY PISTOL AND PROJECTILE. Oscar Carlson, Minneapolis, Minn. - This toy pistol shoots a projectile at a fly by means of a spring.

1,323,509 (Dec. 2, 1919; appl. Feb. 15, 1919). FLY CATCHER AND SWATTER. John D. Wall and Otto Anklam, Minneapolis, Minn. - This device consists of two wings or fly swatters of wire mesh mounted on a

handle. A sliding sleeve brings the two wings together to catch and kill a fly.

1,329,534 (Feb. 3, 1920; appl. June 4, 1919). FLYCATCHER. Patrick H. McGrath, Wollaston, Mass. - This device may be pointed at a fly or similar insect and then actuated to such the fly into an enclosed chamber from which it cannot escape.

1,332,800 (Mar. 2, 1920; appl. Oct. 25, 1919). INSECT-DESTROYER. Clarence E. Burchfield, Big Stone Gap, Va. - This fly swatter has a long handle for reaching flies on a ceiling. The blade of the swatter is hinged on the end of the pole and is forced against an insect by pulling a wire.

1,344,943 (June 29, 1920; appl. Oct. 18, 1919). FLY-SWATTER. Bert O. Graham, Cordova, Territory of Alaska. - This fly swatter is particularly designed for use against flies on the ceiling or high wall of a room beyond the ordinary reach of a person. A spring or rubber band normally holds the swatter in line with the extension handle.

1,356,371 (Oct. 19, 1920; appl. Oct. 23, 1919). FLY-SWATTER. Benjamin R. Jolly, Raleigh, N. C. - This trigger controlled device consists of two wire screen leaves mounted to swing toward each other to grasp the fly between them.

1,413,155 (Apr. 18, 1922; appl. Sept. 12, 1921). FLYTRAP. Miles W. Beckett, Mount Vernon, Ark. - This device consists of a shallow wooden or metal box with a wire screen cover. Flies attracted by bait to the box are imprisoned when the cover is released permitting the spring to quickly close it.

1,457,674 (June 5, 1923; appl. Apr. 22, 1922). FLY SHOOTER. Bert Kennedy and Lewis Saiger, Gloversville, N. Y. - This fly shooter is in the form of a pistol. A striker is forcibly swung forward by an elastic when released from the hammer.

1,468,373 (Sept. 18, 1923; appl. Feb. 24, 1919). FLY-SWATTING DEVICE. George W. Blake, Wyandotte, Mich. - George W. Blake Mfg. Co., Wyandotte, Mich. - This fly swatter is constructed in the form of a fire arm. The swatting member is forcibly projected by a spring which is released by a trigger.

1,480,245 (Jan. 8, 1924; appl. Sept. 29, 1922). DEVICE FOR CATCHING FLIES OR OTHER INSECTS. Owen R. Dailey, Nichols, Wis. - A fly catching device consists of a barrel or tube and a pair of flat screen-covered frames which are moved by a spring, which is released by a trigger.

1,499,168 (June 24, 1924; appl. March 28, 1923). INSECT CATCHER. Samuel W. Funk, Charter Oak, Calif. - This device is in the form of a gun and consists of a wire mesh fly swatter

which is discharged by means of a spring.

1,515,158 (Nov. 11, 1924; appl. Dec. 16, 1922). INSECT CATCHER. Louis C. Miller, Verona, N. J. - An improved insect swatter for catching flies, mosquitoes, and other insects on the wing as well as after they have alighted consists of two wire mesh frames mounted jaw-like on a pole. The two frames are brought together by a spring, killing the insect caught between them.

1,526,505 (Feb. 17, 1925; appl. June 1, 1922). FLY SWATTER TOY FIREARM. Robert E. Reardon, Columbia, Pa. - This toy gun projects a wire netting disk at a fly by means of a spring released by a trigger.

1,597,140 (Aug. 24, 1926; appl. Apr. 29, 1925). TOY FLY KILLER. Ward Barto, Cedar Rapids, Neb. - This pistol-like device throws a leather flap forward by means of an elastic strip when the trigger is released, thus acting as a fly swatter.

1,639,292 (Aug. 16, 1927; appl. Nov. 30, 1926). FLY SWATTER. Norton T. Hendrickson and Charles Roholt, Hoople, N. Dak. - This wire mesh swatting frame is mounted on a long pole and is operated by a spring.

1,677,046 (July 10, 1928; appl. Mar. 22, 1926). FLY SWATTER. Anders Olson, Galesburg, Ill. - This wire mesh swatting frame is mounted on a long pole and is operated by a spring with a trigger release.

1,857,757 (May 10, 1932; appl. Mar. 20, 1930). FLY SWATTER. Clyde T. Kirkby, Chicago, Ill. - A toy gun is provided with a swatting member adapted to be forcibly projected to kill a fly or other insect when properly aimed.

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ASSIGNEE INDEX

(Numbers refer to patents cited)

Barnett, John F., (See Bowie, Augustus J., Jr.)
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